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Under the raperworth
UTILITY
PATENT APPLICATION
TRANSMITTAL

Attorney Docket No. Sung Soon Park

TRANSMITTAL  Title "SEMICONDUCTOR PACKAGE STRUCTURE REDUCTOR WHO TRANSMITTAL  APPLICATION ELEMENTS  See MPEP chapter 600 concerning utility patent application contents.  APPLICATION ELEMENTS  See MPEP chapter 600 concerning utility patent application contents.  APPLICATION ELEMENTS  See MPEP chapter 600 concerning utility patent application contents.  APPLICATION ELEMENTS  See MPEP chapter 600 concerning utility patent application contents.  APPLICATION ELEMENTS  See MPEP chapter 600 concerning utility patent application contents.  APPLICATION ELEMENTS  See MPEP chapter 600 concerning utility patent application contents.  APPLICATION ELEMENTS  See MPEP chapter 600 concerning utility patent application contents.  APPLICATION ELEMENTS  See MPEP chapter 600 concerning utility patent application contents.  APPLICATION ELEMENTS  See MPEP chapter 600 concerning utility patent application contents.  APPLICATION ELEMENTS  See MPEP chapter 600 concerning utility patent application and adupticate for fee processing.  (Application Claims small entility status.  See 37 C.F. R. § 127.  Total Pages 261 (preferred arrangements see for he below)  Bereference to sequence listing, a table.  Cross Reference to sequence listing, a table.  Bereference to sequence listing, a table.  Bereference to sequence listing, a table.  Bereference to sequence listing, a table.  Cross Reference to sequence listing, a table.  Bereference to sequence listing, a table.  Cross Reference to seque	UTILLI	First Invent	or	Sung Soon Pa	.rk		22.40	
TRANSMITAL  APPLICATION ELEMENTS  The MPEP chapter 600 concerning utility patent application contents.  APPLICATION ELEMENTS  The MPEP chapter 600 concerning utility patent application contents.  ADDRESS TO: No. 1450  ALexandria, VA. 22313-1450  Tournament original, and a duplicate for fee processingly (Submit an original, and a duplicate for fee processingly (Submit an original, and a duplicate for fee processingly (Submit an original, and a duplicate for fee processingly (Submit an original, and a duplicate for fee processingly (Submit an original, and a duplicate for fee processingly (Submit an original, and a duplicate for fee processingly (Submit an original, and a duplicate for fee processingly (Submit an original, and a duplicate for fee processingly (Submit an original, and a duplicate for fee processingly (Submit an original, and a duplicate for fee processingly (Submit an original, and a duplicate for fee processingly (Submit an original, and a duplicate for fee processingly (Submit an original, and a duplicate for fee processingly (Gaphicable, all necessary)  A populated Claims small entity state of the lenewood of the Invention or Chapter feed a feed of the processing of the Invention or a computer program listing a paperdix or a computer program listing appendix or	PATENT APPLICATION		MICONDUCT	OR PACKAGE	STRUCTUR	E REDUCINO	WARPAGE	
APPLICATION ELEMENTS   APPLICATION ELEMENTS   APPLICATION ELEMENTS   APPLICATION ELEMENTS   APPLICATION ELEMENTS   AM IS Sop Patent Application P.O. Box 1459   Alexandris, VA 2313-1450   Alexandris, VA 2313-1	TRANSMITTAL							
Fee Transmittal Form (E.g., PI) (2517) (Submitt an original, and a duplicate for fee processing) (Submitt an original, and a duplicate for fee processing) (Submitt an original, and a duplicate for fee processing) (Submitt an original, and a duplicate for fee processing) (Submitt an original, and a duplicate for fee processing) (Submitt an original, and a duplicate for fee processing) (Submitt an original, and a duplicate for fee processing) (Submitt an original, and a duplicate for fee feet feet feet feet feet feet feet	APPLICATION ELEMENTS		ADDRESS T	O: Mail S	Stop Patent Box 1450 andria VA	Application 22313-1450		r <sub>C</sub>
Brief Description of the Drawings (if filed) Detailed Description Total Pages 3 Drawing(s) (35 U.S.C. § 113)    Drawing(s) (35 U.S.C. § 113)   Drawing(s) (31 U.S.C. § 113)   Drawing(s) (41 U.S.C. § 113)   Drawing(s)	Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee proces.  Applicant Claims small entity status.  See 37 C.F.R. § 1.27.  Specification (preferred arrangement set forth below)  Descriptive title of the Invention  Cross References to Related Applications  Statement Regarding Fed-Sponsored R&D  Reference to sequence listing, a table, or a computer program listing appendix	sing) ! Påges <u>26'</u> ]	8. Nucleo (if c a. b.	gram (Append tide and/or An applicable, all  Comput Specificatio i. CD ii. Pap Stateme	mino Acid Se necessary) ter Readable on Sequence PROM or CD- per tent verifying	equence Subrace Form (CRF) Listing on: -R (2 copies); of a dentity of a policy	mission  or  above copies	10/672886
i. □ DELETION OF INVENTORS) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).  6. ☑ Application Data Sheet. See 37 C.F.R. § 1.76  18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 C.F.R. § 1.76: □ Continuation □ Divisional □ Continuation-in-part (CIP) of prior application No. □/ Prior application information: Examiner	<ul> <li>Brief Summary of the Invention</li> <li>Brief Description of the Drawings (if filed Detailed Description)</li> <li>Claim(s)</li> <li>Abstract of the Disclosure</li> <li>Drawing(s) (35 U.S.C. § 113) [Tot Normal]</li> <li>Informal Formal</li> <li>Oath or Declaration [Tot Declaration According to the Disclosure of the Disclosure</li> <li>Copy from a prior application (37 Continuation/divisional with Box 18</li> </ul>	al Sheets <u>13</u> Fotal Pages <u>3</u> CFR 1.63(d))  completed)	10.	CFR §3.73(by hen there is a nglish Transla nformation Distatement (IDS) reliminary An Return Receipt (Should be specertified Copy (if foreign prior)	o) Statement un assignee) ation Docume sclosure S) PTO-1449 mendment at Postcard (Mecifically iten y of Priority is claim	Power  ent (if application Copic Cop	able) ies of IDS Cit	tations  B)(i).
Considered a part of the submitted from the submitted application part of	Signed statement attached deleting invent the prior application, see 37 CFR 1.63(d).  6. Application Data Sheet. See 37 C.F.R. § 1.7  18. If a CONTINUING APPLICATION, check apartendment, or in an Application Data Sheet  Continuation Divisional Continuation Divisional Continuation Information: Examiner  Prior application information: Examiner	(2) and 1.33(1) 6 6 6 6 6 6 7 7 7 8 7 8 8 9 8 9 9 9 9 9 9 9 9 9 9 9	and supply the F.R. § 1.76:  -part (CIP) of the prior application a	Applicant mus Other:  ne requisite inf prior application  Art ion, from which a nd is hereby inco	formation be on No/	elow and in a	preliminary	h ie
	considered a part of the disclosure of the accompanying contra- relied upon when a portion has been inadvertently omitted fro	m the submitted	application part		ESS			
NAME         ZIP CODE           ADDRESS         STATE         ZIP CODE           CITY         Phone         +1 (408) 451-5906         FAX         +1 (408) 451-5908           Country         Registration No. (Attorney/Agent)         34,691	SA Course Number or Ray Code Label				or	Correspon	idence address	below
ADDRESS         ZIP CODE           CITY         Phone         +1 (408) 451-5906         FAX         +1 (408) 451-5908           Country         Registration No. (Attorney/Agent)         34,691								
Country   Phone   +1 (408) 451-5906   FAX   +1 (406) 431-3905   FAX	ADDRESS				ZIP COD.	E		
Country   Registration No. (Attorney/Agent) 34,691	CITY		408) 451-5906	,	FAX	+1 (4	08) 451-5908	5
	Country	-			ney/Agent)	34,691		
Name (Print/Type) James E. Parsons  Date September 26, 2003	2.00	<i>f</i>	Kegisti	atton 140. (Anon				

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or rotain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 37 CFR 1.54. This collection is estimated to take 12 minutes to complete, including gathering, proparing, and an application. Confidentially is governed by 3.0 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, proparing, and submitting the completely graphication form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this submitting the completely graphication form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this submitted in the unit of the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commissioner for form and/or suggestions for reducing this burdon, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commissioner for form and/or suggestions for reducing this burdon, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commissioner for form and/or suggestions for reducing this burdon, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commissioner for formation of the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commissioner for formation of the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of the Chief Information Offi

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FEE TRANSMI	TTAI		Complete if Known		
		Application Number	Filed Herewith		
for FY 2003	3	Filing Date	9/26/2003		
Effective 01/01/2003. Patent fees are subject	to annual revision.	First Named Inventor	Sung Soon Park		
Applicant claims small entity status. See 37 C.F.R. § 1.27		Examiner Name			
		Art Unit			
TOTAL AMOUNT OF PAYMENT	(\$) 790.00	Attorney Docket Number	AMK-BK-00001		
METHOD OF PAYMENT (c	heck one)	FEE CALCULATION (continued)			
The Director is authorized to charge indi over payments to:	cated fees and credit any	3. ADDITIONAL FEES			
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METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)					
The Director is authorized to charge indicated fees and over payments to:	credit any	3. ADDITIONAL FEES					
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Deposit Deposit Deposit		1051	130	2051	65	Surcharge - late filing fee or oath	
Acet Name Bever, Hoffman & Harms, LLP		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
☐ Charge Any Additional Fee Required Under 37 CFR § 1.1	68117	1053	130	1053	130	Non-English specification	
Charge Any Additional Fee Required Onder 37 CFR § 1.1	0 & 1.17	1812 1804	2,520 920*	1812 1804	2,520 920*	For filing a request for ex parte reexamination Requesting publication of SIR prior to	· ·
2. Payment Enclosed:		1805	1,840*	1805	1,840*	Examiner action Requesting publication of SIR after Examiner action	
☐ Check ☐ Credit Card ☐ Money Order ☐ Otl	her	1251	110	2251	55	Extension for reply within first month	
FEE CALCULATION		1252	410	2252	205	Extension for reply within second month	
1. BASIC FILING FEE		1253	930	2253	465	Extension for reply within third month	
Large Entity Small Entity		1254	1450	2254	725	Extension for reply within fourth month	
Fee Fee Fee Fee Fee Description	Fee Paid	1255	1,970	2255	985	Extension for reply within fifth month	
1001 750 2001 375 Utility filing fee	750.00	1401	320	2401	160	Notice of Appeal	
1002 330 2002 165 Design filing fee		1402	320	2402	160	Filing a brief in support of an appeal	
1003 520 2003 260 Plant filing fee		1403	280	2403	140	Request for oral hearing	
1004 750 2004 375 Reissue filing fee		1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1005 160 2005 80 Provisional filing fee		1452	110	2452	55	Petition to revive - unavoidable	
SUBTOTAL (1) (\$)	750.00	1453	1,300	2453	650	Petition to revive - unintentional	
2. EXTRA CLAIM FEES FOR UTILITY AND REISS Extra Claims Fee from below 1	SUE Fee Paid	1501	1,300	2501	650	Utility issue fee (or reissue)	
Total Claims 20 $-20** = 0 x 18.00 = 0$	00.00	1502	470	2502	235	Design issue fee	
Independent Claims $3 -3** = 0 x 84.00 = 0$	00.00	1503	630	2503	315	Plant issue fee	
Multiple Dependent 280.00 =	00.00	1460	130	1460	130	Petitions to the Commissioner	
**or number previously paid, if greater; For Reissues, see below	4	1807	50	1807	50	Petitions related to provisional applications	
Fee Fee Fee Fee		1806	180	1806	180	Submission of Information Disclosure Stmt	
Code         (\$)         Code         (\$)         Fee Description           1202         18         2202         9         Claims in excess of 3		8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00
1201 84 2201 42 Independent claims	in excess	1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1203 280 2203 140 Multiple dependent not paid	claim, if	1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))	
1204 84 2204 42 **Reissue independe		1801	750	2801	375	Request for Continued Examination (RCE)	
over original patent 1205 18 2205 9 **Reissue claims in		1001	130	2001	313		
20 and over original		1802	900	1802	900	Request for expedited examination of a design application	
SUBTOTAL (2) (\$) 00.0	00	Other fee (		F P '	<u></u>	CURTOTAL (2)	(5) (5.55
		* Keduced	by Basic Fili	ng ree Pai	u -	SUBTOTAL (3)	(\$) 40.00

SUBMITTED BY				Complete (if	Complete (if applicable)		
Name (Print/Type)	James E. Parsons	- 0	Registration No. (Attorney Agent)	34,691	Telephone	(408) 451-5906	
Signature	Jano	Efra			Date	9/26/2003	

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## NONPUBLICATION REQUEST UNDER 35 U.S.C. § 122(b)(2)(B)(i) First Named Inventor Sung Soon Park Title SEMICONDUCTOR PACKAGE STRUCTURE REDUCING WARPAGE AND MANUFACTURING METHOD THEREOF Attorney Docket Number AMK-BK-00001

I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. § 122(b).

September 26, 2003

Date

James E. Parsons, Reg. No. 34,691

(408) 451-5906 Telephone number

This request must be signed in compliance with 37 C.F.R. § 1.33(b) and submitted with the application upon filing.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. § 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant must notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. Failure to do so will result in abandonment of this application (35 U.S.C. § 122(b)(2)(B)(iii)).

This collection of information is required by 37 CFR 1.213(a). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submilting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.